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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,410		10/31/2003	Seth A. Miller	TI-34613	2092
23494	7590	06/21/2005		EXAMINER	
. —		ENTS INCORPOR	PHAN, JAMES		
P O BOX 655474, M/S 3999 DALLAS, TX 75265				ART UNIT	PAPER NUMBER
,	,,,,,	_		2872	

DATE MAILED: 06/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		·	, ,								
	Application No.	Applicant(s)									
	10/699,410	MILLER ET AL.									
Office Action Summary	Examiner	Art Unit									
	James Phan	2872									
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet v	vith the correspondence address									
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a y within the statutory minimum of th will apply and will expire SIX (6) MC , cause the application to become a	reply be timely filed into (30) days will be considered timely. NTHS from the mailing date of this communication. BEANDONED (35 U.S.C. § 133).									
Status											
1) Responsive to communication(s) filed on	<u>_</u> .	•									
2a) ☐ This action is FINAL . 2b) ☐ This	action is non-final.	÷									
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is										
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.									
Disposition of Claims											
4)⊠ Claim(s) <u>1-39</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5)⊠ Claim(s) <u>1-23,28-33,38 and 39</u> is/are allowed.											
6) Claim(s) is/are rejected. 7) Claim(s) 24-27 and 34-37 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.											
								Application Papers			
								9) The specification is objected to by the Examine	er.		
10)⊠ The drawing(s) filed on <u>22 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.											
Applicant may not request that any objection to the											
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex											
Priority under 35 U.S.C. § 119											
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).									
a) ☐ All b) ☐ Some * c) ☐ None of:	,,										
1. Certified copies of the priority document	s have been received.										
2. Certified copies of the priority document	s have been received in	Application No									
Copies of the certified copies of the prio	rity documents have bee	n received in this National Stage									
application from the International Burea											
* See the attached detailed Office action for a list	of the certified copies no	t received.									
Attack on and (a)											
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🗌 Interview	Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper N	o(s)/Mail Date									
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>1/26/05</u> .	5) Notice o	f Informal Patent Application (PTO-152)									

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)

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DETAILED ACTION

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 1/26/04 has been considered by the examiner.

Additional prior Art Cited

Hornbeck discloses a spatial light modulator and a method of making the same; Meier et al discloses a spring-ring micromechanical device; and Makino et al discloses an optical switching apparatus having a substrate provided between an insulation layer and an anti-reflection layer.

Claim Objections

Claims 24-27 and 34-37 are objected to because of the following informalities: the arrangements of the antireflective coating (claims 24 and 34) and the insulator/insulation layer (claims 25-27 and 35-37) are not consistent with their parent claims. In claim 24, line 2, "substrate" should be changed to --reflective member--; in claim 34, line 2, "substrate" should be changed to --reflective layer--; and in claims 25-27 and 35-37, line 2, "substrate" should be changed to --antireflective coating--.

Appropriate correction is required.

Allowable Subject Matter

Claims 1-39 are allowed.

The following is an examiner's statement of reasons for allowance: none of the cited references teaches or fairly suggests (1) a method of forming a coating having the steps of "applying an insulator layer to said antireflective layer; and applying a

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lubrication layer to said insulator layer." (claim 1, lines 4-5) in combination with the remaining steps of the claim; and (2) a device/system having an insulator/insulation layer supported on the antireflective layer, and a lubrication layer supported on the insulator layer (claims 20 and 30, last two lines) in combination with the remaining features of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

This application is in condition for allowance except for the following formal matters:

The objection to claims 24-27 and 34-37 discussed on page 2.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Phan whose telephone number is (571) 272-2317. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JP May 2005

> James Phan Primary Examine